

# HYDRAULIC OIL TOO HIGH, TOO LOW OR JUST RIGHT?

**ARRGH!**

WHAT WAS THAT?!

SIMMONS. HE JUST CAN'T SEEM TO REMEMBER **NOT** TO OPEN HIS DOZER'S HYDRAULIC RESERVOIR WHEN IT'S HOT.



OPERATORS, WEAR A **SMILE** WHEN YOU'RE FOLLOWING **BEFORE** OPERATIONS PMCS CHECK 19 IN WP 0012-13 OF TM 5-2410-241-10.



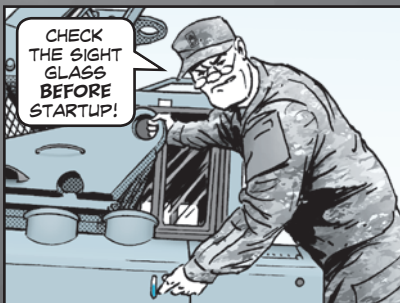
WELL, ACTUALLY, THE **SMILE ISN'T** MANDATORY, BUT CHECKING THE D7R DOZER'S HYDRAULIC OIL LEVEL SURE IS!



EYEBALL THE LEVEL IN THE HYDRAULIC OIL TANK USING THE SIGHT GAUGE **BEFORE** STARTUP.

A **COLD** CHECK GIVES YOU THE MOST **ACCURATE** READING. THAT'S BECAUSE OIL EXPANDS SLIGHTLY AS IT HEATS UP, SHOWING A HIGHER LEVEL ON THE GAUGE.

CHECK THE SIGHT GLASS **BEFORE** STARTUP!



YOU'LL **ALSO** WANT TO MAKE SURE THE DOZER'S CYLINDER BLADE IS IN THE **RETRACTED AND PARKED** POSITION BEFORE CHECKING THE HYDRAULIC OIL LEVEL.

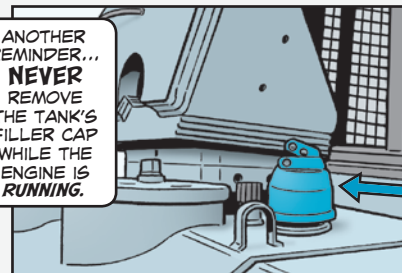
IF THE BLADE CYLINDERS ARE EXTENDED, ALL THE HYDRAULIC OIL **ISN'T** IN THE RESERVOIR TO BE MEASURED. THAT MEANS YOU'LL GET A LOW READING.

IF YOU OVERFILL THE TANK BECAUSE OF A LOW READING, **PRESSURE BUILDS UP**, BLOWING SEALS!

**SO** WHEN YOU'RE READY TO CHECK THE OIL LEVEL, DO IT BEFORE STARTUP AND MAKE SURE THE DOZER IS IN THE **PARKED** POSITION WITH CYLINDERS RETRACTED.



ANOTHER REMINDER... **NEVER** REMOVE THE TANK'S FILLER CAP WHILE THE ENGINE IS **RUNNING**.



A HOT TANK IS UNDER PRESSURE AND WILL SPEW **HOT** HYDRAULIC FLUID IF THE CAP IS REMOVED.

**REMOVE THE CAP ONLY** WHEN IT'S COOL ENOUGH TO TOUCH WITH YOUR **BARE** HANDS.

**TANK TOO FULL?**

REMOVE THE EXCESS WITH AN AOAP VAMPIRE PUMP, NSN 4930-01-119-4030.

Construction Equipment...

## CAPS KEEP GREASE CLEAN!

Dear Half-Mast,  
Units in our engineering battalion just received new excavators, loaders and scrapers. They all have small protective caps that fit over the vehicle's grease fittings.

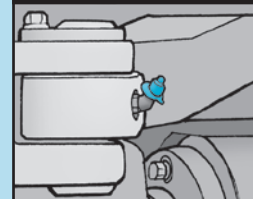
These caps do a great job of keeping the fittings clean and unclogged during operations at the worksite. It's easier to take the cap off when it's time to lube than it is to replace the fittings because they won't take grease. Can we get more of these caps for other equipment?

SFC M.S.F.

PROTECTIVE CAPS ARE PUT ON THE EQUIPMENT BY THE MANUFACTURER, SERGEANT.

THEY'RE ALSO PLACED ON OLDER EQUIPMENT DURING REBUILD TO PROTECT THEM AGAINST PAINT AND DIRT.

Protective caps keep dirt out of grease fittings



ORDER THESE CAPS WITH NSN 4730-00-289-8148. KEEP PLENTY OF THEM ON HAND AND USE 'EM DURING PMCS.